

Rabbit anti-Human IL15RA Polyclonal Antibody | anti-IL15RA antibody

IL15RA Antibody (Center)

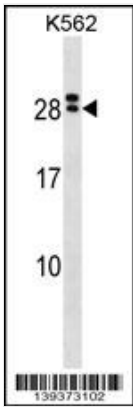
CATALOG # AAA285511	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

IL15RA; Polyclonal Antibody; IL15RA Antibody (Center); Interleukin-15 receptor subunit alpha; IL-15 receptor subunit alpha; IL-15R-alpha; IL-15RA; CD215; Soluble interleukin-15 receptor subunit alpha; sIL-15 receptor subunit alpha; sIL-15R-alpha; sIL-15RA; anti-IL15RA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This IL15RA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 79-106 amino acids from the Central region of human IL15RA.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	79-106
Applicable Applications for anti-IL15RA antibody	ELISA, WB (Western Blot)
Function	High-affinity receptor for interleukin-15 (PubMed:). Can signal both in cis and trans where IL15R from one subset of cells presents IL15 to neighboring IL2RG- expressing cells (By similarity). In neutrophils, binds and activates kinase SYK in response to IL15 stimulation (PubMed:). In neutrophils, required for IL15-induced phagocytosis in a SYK-dependent manner (PubMed:). Expression of different isoforms may alter or interfere with signal transduction (PubMed:).
Cellular Location	Membrane; Single-pass type I membrane protein Nucleus membrane; Single-pass type I membrane protein. Cell surface. Note=Mainly found associated with the nuclear membrane Isoform 6: Endoplasmic reticulum membrane; Single-pass type I membrane protein. Golgi apparatus membrane; Single-pass type I membrane protein. Cytoplasmic vesicle membrane; Single-pass type I membrane protein. Membrane; Single-pass type I membrane protein. Note=Isoform 5, isoform 6, isoform 7 and isoform 8 are associated with endoplasmic reticulum, Golgi and cytoplasmic vesicles, but not with the nuclear membrane Isoform 8: Endoplasmic reticulum membrane; Single-pass type I membrane protein. Golgi apparatus membrane; Single-pass type I membrane protein. Cytoplasmic vesicle membrane; Single-pass type I membrane protein. Membrane; Single-pass type I membrane protein. Note=Isoform 5, isoform 6, isoform 7 and isoform 8 are associated with endoplasmic reticulum, Golgi and cytoplasmic vesicles, but not with the nuclear membrane
Tissue Location	Expressed in neutrophils (at protein level) (PubMed:15123770). Expressed in fetal brain with higher expression in the hippocampus and cerebellum than in cortex and thalamus (PubMed:12114302). Higher levels of soluble sIL-15RA form in comparison with membrane-bound forms is present in all brain structures (PubMed:12114302). Isoforms 1, 3, 4, 5, 6, 7, 8 and 9: Widely expressed (PubMed:10480910, PubMed:8530383)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
IL15RA Antibody (Center) (AAA285511) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the IL15RA antibody detected the IL15RA protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-IL15RA antibody	This gene encodes a cytokine receptor that specifically binds interleukin 15 (IL15) with high affinity. The receptors of IL15 and IL2 share two subunits, IL2R beta and IL2R gamma. This forms the basis of many overlapping biological activities of IL15 and IL2. The protein encoded by this gene is structurally related to IL2R alpha, an additional IL2-specific alpha subunit necessary for high affinity IL2 binding. Unlike IL2RA, IL15RA is capable of binding IL15 with high affinity independent of other subunits, which suggests distinct roles between IL15 and IL2. This receptor is reported to enhance cell proliferation and expression of apoptosis inhibitor BCL2L1/BCL2-XL and BCL2. Multiple alternatively spliced transcript variants of this gene have been reported.
Product Categories/Family for anti-IL15RA antibody	Cell Biology; Metabolism; Signal transduction
References	Wu, Z., et al. J Mol Cell Biol 2(4):217-222(2010) Liu, C.Y., et al. Carcinogenesis 31(7):1259-1263(2010) Schuurhof, A., et al. Pediatr. Pulmonol. 45(6):608-613(2010) Yokoyama, K., et al. Nephron Clin Pract 115 (4), C237-C243 (2010) : Bergamaschi, C., et al. J. Immunol. 183(5):3064-3072(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	343780891
NCBI GeneID	3601
NCBI Accession #	NP_001230468.1; NP_001243694.1; NP_002180.1; NP_751950.2
NCBI GenBank Nucleotide #	NM_001243539.1
UniProt Accession #	Q13261; Q3B769; Q5JVA1; Q5JVA2; Q5JVA4; Q6B0J2; Q7LDR4; Q7Z609; B4E2C2
Molecular Weight	28233
NCBI Official Full Name	interleukin-15 receptor subunit alpha isoform 3
NCBI Official Synonym Full Names	interleukin 15 receptor, alpha
NCBI Official Symbol	IL15RA
NCBI Official Synonym Symbols	CD215
NCBI Protein Information	interleukin-15 receptor subunit alpha
UniProt Protein Name	Interleukin-15 receptor subunit alpha
UniProt Gene Name	IL15RA

UniProt Synonym Gene Names	IL-15 receptor subunit alpha; IL-15R-alpha; IL-15RA; sIL-15 receptor subunit alpha; sIL-15R-alpha; sIL-15RA
UniProt Entry Name	I15RA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/il15ra-antibody-western-blot-elisa/285511>